

Spectrophotometer for Petroleum Products

acl-3

4 types of colors can be measured.

- ASTM Color
- Saybolt Color
- Pt-Co / Hazen Color Number (APHA)
- Gardner Color Number



Features

- Spectrophotometer using white LED as light source
- Sliding door which makes setting of cells up to the size of 100mm very easy
- 5.7" TFT color LCD touch panel realizes intuitive operation and clear view of parameters and results
- Measurement data can be saved into USB memory stick.

Specifications

Spectrophotometer for Petroleum Products *acl-3*

Test Methods	ASTM Color : ASTM D1500, D6045, ISO 2049 Saybolt Color : ASTM D156, D6045 Pt-Co / Hazen Color : ASTM D1209, D5386, ISO 6271 Gardner Color : ASTM D1544, ISO 4630
Measuring Method	Tri-Stimulus values from spectroscopy method
Photodetector	CMOS Linear image sensor
Measuring Wavelength	400 nm to 700 nm, 10 nm interval
Light Source	White LED (Lifetime : approx. 20,000h)
Display Panel	5.7 inch TFT color LCD Touch Panel
Measuring Time	Approx. 5 sec
Operation Switches	Touch panel, Membrane switch
USB Memory	Measurement data and instrument memory data can be saved as CSV. Screen image can be saved. Import and export of user settings (File system FAT32)
Interface	USB port (for communication with PC) USB memory (for file system : FAT32) Parallel port (for printer)
Environment for Use	Temperature : 15 °C to 35 °C, Humidity : 80 % RH or less, No condensation
Size (W x D x H)	540 x 383 x 255 mm
Weight	15.5 kg
Power Consumption	AC 100 V to 240 V 40 VA (max) 50 / 60 Hz

Standard Accessories (1 pc each)

Code No.	Part Name
-----	AC cable
-----	USB memory stick
1000916	Square Cell (33mm) for ASTM, Pt-Co, Gardner Color
1000917	Square Cell (100mm) for Saybolt Color

Optional Accessories

Code No.	Part Name
1007230	Printer for acl-3, model CT-S280PAJ-WH
1006174	Printing Roll Papers
1000913	Cell with Cap (33mm) for ASTM, Pt-Co and Gardner Colors
1000914	Cell with Cap (100mm) for Saybolt Color
1000915	Cells with Cap for Color Standards (Set of 11pcs)

Start Up Kit for ASTM and Saybolt Color

ASTM Color Standards	ASTM Color : A1, A3, A5, A7 ¹⁾
Saybolt Color Standards	Saybolt Color : S+30, S+25, S+19, S+15, S+12, S0, S-15 ¹⁾

¹⁾ Color Standards can be ordered separately. Please contact local distributors for details.

ASTM Standard Liquid



Saybolt Standard Liquid



Specifications subject to change without prior notice. **202508P**

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